LINKING

PRODUCT CATALOG

SOPHISTICATED IP SURVEILLANCE EXCELLENCE

Contents

Company Profile

stablis ed in 1 8   niform Industrial Corporation   IC is a   aiwan based specialist business transaction SS   and video surveillance e uipment developer wit   branc es in t e   S   and C ina to provide customers wit   real time and convenient services

Committed to t e pursuit of excellence and self progress   IC devotes to continual improvement in product R D manufacture   uality control sales operations and post delivery services   it t e concerted efforts of t e operating team and employees over t e year sales of   IC grow continually and t e company   as won public assurance In 1 2   IC successfully listed on t e   aiwan Stock   xc ange   S   2482 wit market capitali ation of   S 40 million   it 24 years of professional R D experience and   00 energetic and ent usiastic employees worldwide   IC continues to provide   ig tec products t at meet t e demands of bot t e market and customers

IC   as a   ost of long term strategic partners t at are world leading brands including Sony   I IBM VIS   Ingram Micro and HP   lso   IC as successfully passed t e IS   001   uality management system and IS 14001 environ mental management system certifications for its uncompromised   uality and process control processes aimed at providing customers wit   excelling and reliable solutions

Vision

■ 1st   ier Supplier in IP Surveillance

■   co friendly value awareness   commitment

■ Speed, efficiency and makes best partnership

Mission

■ Strive to know and meet our customer needs

■ Full range solutions for our partners
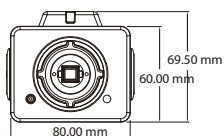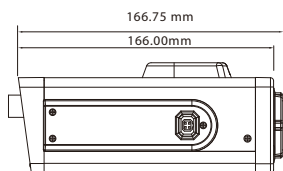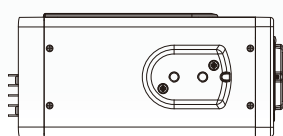
■   dvanced tec nology solutions

Megapixel

ALC-9121M　IP Box Camera

Megapixel CCD Sensor, Progressive

Feature

- 1.3 Megapixel progressive CCD sensor providing high definition video.
- With digital pan/tilt and electronic zoom, users can point and see the very details of the region of interest.
- Dual codec (MPEG4/MJPEG) simultaneously.
- 2-way audio.
- C/CS mount lens exchangeable.
- Powerful open API/SDK for system integrators to easily develop niche applications.

Dimension Diagram

166.75 mm
166.00mm

69.50 mm
60.00 mm
80.00 mm

Specifications

Camera		I/O	
Sensor Type	1/3 progressive CCD	Alarm Input	2
Effective Pixels	Full scan mode: 1280x960,	Alarm Output	1
	4-pixel addition mode: 640x480	Audio Input	1x3.5mm jack
Electronic Shutter	1/50 - 1/10000, 8step	Audio Output	1x3.5mm jack
Sensitivity	Min 370mV, Typical 460mV	RS485	1
Electronic Zoom	1 ~ 12x	PoE	No
AGC (Auto gain control)	Yes	TV-Out	No
AWB (Auto white balance)	Yes	Status LED	Status, network link
AE (Auto exposure)	Yes	**Features**	
Day/ Night Switch	Black and White Mode	Browser	Internet Explorer 6.0 or above
Lens Mount	CS-mount/C-mount	Application Software	VMS application software
Analog		OS supported	Microsoft Windows 2000, XP, Vista
Signal	NTSC/PAL (switch)	**Software**	
Scanning Frequency	36Mhz(NTSC), 29Mhz(PAL)		User Setting
S/N Ratio	> 50dB		Date/ Time Setting
Minimum Illumination	0.1 Lux@F1.2 (Preset Exposure)		Video image control
Video			Upload configuration
Video Compression	MPEG4 / MJPEG (dual codec simultaneously)		Dynamic DNS
Video Frame Rate	Full Mode:		Motion Detection
	(NTSC)MPEG4/MJPEG 15 FPS		Events
	(PAL) MPEG4-12.5 FPS; MJPEG 12.5 FPS		Triggered Actions
	4- pixel addition mode:	**Open API**	
	(NTSC)MPEG4/MJPEG 30 FPS		CGI commands to control camera
	(PAL) MPEG4/MJPEG 25 FPS		Media SDK to handle streaming
Compression Rate Selection	5 levels: best, better, normal, faster, fastest	**Factory Default**	
Frame Rate	Configurable		Button
Video Resolution	MPEG4: QCIF, CIF, QVGA, VGA	**Power**	
	MJPEG: QCIF, CIF, QVGA, VGA,	Power	DC12V/AC24V Dual, 1.5A
	Quad-VGA (full scan mode)	Power consumption	6W
Image Rotation	Flip, Mirror	**LED**	
Digital Zoom (software)	Yes, 100%~800% (software),	Power LED	Blue color
	100~1200%(electronic)	**Size**	
Digital Pan/Tilt	Yes	Main body	135mm x 70mm x 60mm (not including lens)
Motion Detection	Yes (3 windows)	**Operating environment**	
OSD	Text, Time, and Date	Operating temperature	0℃ ~ 55℃
	configurable transparency	Storage temperature	-20℃ ~ 70℃
Audio		Humidity	10% ~ 95% non-condensing
2-way Audio	Yes (Full duplex)	**Approvals**	
Audio Codec	G.711, G.726 selectable		FCC / CE class B, RoHS
Communication			
LAN Port	RJ-45, 10/100M/1G auto-sensed, auto crossover		
Communication Protocol	HTTP, RTSP, FTP, SMTP, TCP/IP, UDP, ARP, ICMP,		
	DHCP, PPPoE, DDNS, UPnP, SAMBA		
Video Streaming	RTSP/RTP/UDP, RTSP/RTP/TCP, RTSP/		
	RTP HTTP Tunnel , LAN Multicastast		

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Megapixel

ALC-9122P IP Box Camera
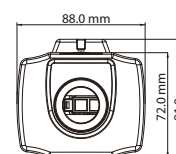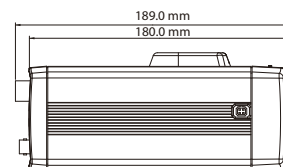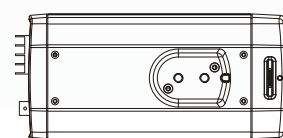
Megapixel CCD Sensor, Progressive, Po , Da   ig

Feature

- 1.3 Megapixel progressive CCD sensor providing high definition video.
- With digital pan/tilt and electronic zoom, users can point and see the very details of the region of interest.
- Dual codec (MPEG4/MJPEG) simultaneously.
- 2-way audio.
- C/CS mount lens exchangeable.
- Powerful open API/SDK for system integrators to easily develop niche applications.
- Day/Night Mode with Auto IR-Cut Filter removal technologies.
- Power over Ethernet(PoE) eases installation, security, and maintenance.

Specifications

Camera	
Sensor Type	1/3 progressive CCD
Effective Pixels	Full scan mode: 1280x960,
	4-pixel addition mode: 640x480
Electronic Shutter	1/50~1/10000, 8 step
Sensitivity	Min 370mV, Typical 460mV (F5.6)
Electronic Zoom	1 ~ 12x
AGC (Auto gain control)	Yes
AWB (Auto white balance)	Yes
AE (Auto exposure)	Yes
D/N Motor Module	ICR
Lens Mount	CS-mount/C-mount

Analog	
Signal	NTSC/PAL (switch)
Scanning Frequency	36Mhz(NTSC), 29Mhz(PAL)
S/N Ratio	> 50dB
Minimum Illumination	0.1 Lux@F1.2 (Preset Exposure)

Video	
Video Compression	MPEG4 / MJPEG (dual codec simultaneously)
Video Frame Rate	Full Mode:
	(NTSC)MPEG4/MJPEG 15 FPS
	(PAL) MPEG4-12.5 FPS; MJPEG 12.5 FPS
	4- pixel addition mode:
	(NTSC)MPEG4/MJPEG 30 FPS
	(PAL) MPEG4/MJPEG 25 FPS
Compression Rate Selection	5 levels: best, better, normal, faster, fastest
Frame Rate	Configurable
Video Resolution	MPEG4: QCIF, CIF, QVGA, VGA
	MJPEG: QCIF, CIF, QVGA, VGA,
	Quad-VGA (full scan mode)
Image Rotation	Flip, Mirror
Digital Zoom (software)	Yes, 100%~800% (software),
	100~1200%(electronic)
Digital Pan/Tilt	Yes
Motion Detection	Yes (3 windows)
OSD	Text, Time, and Date
	configurable transparency

Audio	
2-way Audio	Yes (Full duplex)
Audio Codec	G.711, G.726 selectable

Communication	
LAN Port	RJ-45, 10/100M auto-sensed, auto crossover
Communication Protocol	HTTP, RTSP, FTP, SMTP, TCP/IP, UDP, ARP, ICMP,
	DHCP, PPPoE, DDNS, UPnP, SAMBA
Video Streaming	RTSP/RTP/UDP, RTSP/RTP/TCP, RTSP/
	RTP HTTP Tunnel , LAN Multicastast

I/O	
Alarm Input	2
Alarm Output	1
Audio Input	1x3.5mm jack
Audio Output	1x3.5mm jack
RS485	1
PoE	Built-in
TV-Out	Yes
Status LED	Status, network link

Features	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP, Vista

Software	
	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API	
	CGI commands to control camera
	Media SDK to handle streaming

Factory Default	
	Button

Power	
Power	DC12V/AC24V , PoE (2 options)
Power consumption	Max. 8W (DC 12V/ 1.5A)

LED	
Power LED	Red color

Size	
Main body	180mm(L) x 88mm(W) x 72mm(H)
	(not including lens)

Operating environment	
Operating temperature	0°C ~ 55°C
Storage temperature	-20°C ~ 70°C
Humidity	10% ~ 95% non-condensing

Approvals	
	FCC / CE class B, RoHS

Dimension Diagram

189.0 mm
180.0 mm

88.0 mm
72.0 mm
81.0 mm

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CE FC RoHS Compliant

WDR + 3D De-interlace

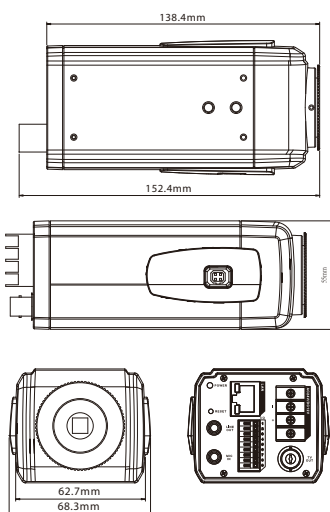# ALC-91 1 IP Box Camera

D , S   CCD, IC , Da   ig

Feature

- Sony vertical double-density interline 1/3" CCD.
- WDR (Wide Dynamic Range) technologies.
- Dual codec(MJPEG/MPEG4) simultaneously.
- MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles.
- Auto IR-Cut Filter removal technologies.
- Motion adaptive 3D De-interlacing and noise reduction.
- 2 way audio (external MIC x 1, audio line out x 1).

Dimension Diagram

138.4mm

152.4mm

55mm

62.7mm
68.3mm

Specifications

Camera	
Sensor	Sony vertical double-density interline 1/3" CCD
Scan Method	Interlace
Lens	C-Mount/CS-Mount
Number of Effective Pixel (H*V)	PAL: 752(W) x 582(H), NTSC: 768 x 494
Minimum Illumination	Color 0.5 Lux (AT 50 IRE F1.2 Lens), B/W 0.2 Lux (AT 50 IRE F1.2 Lens)
SNR(max)	>50db
Horizontal Resolution	Color :520 TVL B/W: 580 TVL
White Balance	Auto/ indoor(2500~6000°K)/ outdoor(2500~10000°K)/Manual
Gain Control	on/off (0 to 36dB, High/Middle/Low, 3 step selection)
Backlight Compensation	ON/OFF
Day/Night ICR (IR-Cut Filter Removable)	ICR (D/N LEVEL: High/Middle/Low)
De-Interlace	3D
Noise Reduction	3D
Auto IRIS	DC / Manual
Electronic Shutter & Manual Shutter	AES on/off, Manual 1/50~1/100K, Slow Shutter(2X~32x)
WDR	On/Off level 1~8
Video	CVBS 1Vpp
Digital Out	ITU-REC656 fromat

Video	
Video Compression	MJPEG and MPEG4 Dual codec, MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps
Resolution	PAL: 704x576, 352x288, 176x144 ; NTSC: 704x480, 352x240,176x120
Bitrate control	64kbps ~ 3Mbps
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation (PC side)	Mirror / up-side down

Audio	
2-way Audio	Yes (Full duplex)
Compression	G.726 (24K)

Protocol Supported	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QOS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

3GPP	
	Yes

Processors and Memory	
CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors	
Alarm I/O	Alarm-in x 1, Alarm-out x 1
PowerLED	Red LED
Reset to Factory default	button
LAN	RJ-45 connector (LED)
Video out	BNC
Serial Connectors	RS-485
Audio	Audio microphone in x 1, Audio Line-out x 1(3.5 mini Jack)

Features	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP, Vista

Software	
	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API	
	CGI commands to control camera
	Media SDK to handle streaming

Default Setting	
	Button

Power	
Power	DC12V, AC24V/DC12V, POE/DC12V (3 options

Size	
Main body	140mm(L) x 65mm(W) x 55mm(D)

Operating environment	
Operating temperature	-10℃~ 50℃
Storage temperature	-20℃~ 70℃
Humidity	0% ~ 90% non-condensing

Approvals	
	CE, FCC/Class A, CCC, RoHS

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ctual data t roug put may vary Network conditions and environmental factors including volume of network traffic building materials and construction and network over ead lower actual data t roug put rate   ctual performance may vary due to operation conditions linking reserved t e rig t to modify wit out notice

CE FC RoHS Compliant

Day & Night + 3D De-interlace

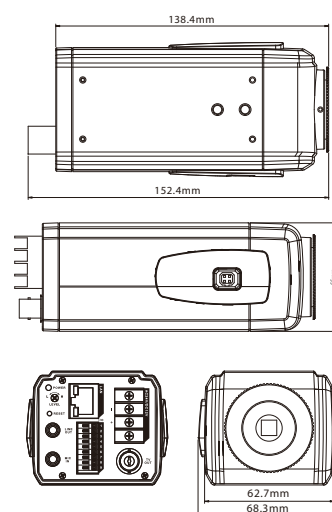# ALC-91 2 IP Box Camera

Da   ig   , IC , Po ,   PP

Feature

- 1/3" High-Sensitivity Super HAD sensor.
- SONY HQ-1 design.
- Dual codec(MJPEG/MPEG4) simultaneously.
- MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles.
- Auto IR-Cut Filter removal technologies.
- Motion adaptive 3D De-interlacing and noise reduction.
- 2 way audio (external MIC x 1, audio line out x 1).

Specifications

Camera	
Sensor	1/3" High-Sensitivity Super HAD sensor
Scan Method	Interlace
Lens	C-Mount/CS-Mount
Number of Effective Pixel (H*V)	PAL: 752(W) x 582(H), NTSC: 768 x 494
Minimum Illumination	0.01 Lux @F1.0
	B/W 0.2 Lux (AT 50 IRE F1.2 Lens)
SNR(max)	>50db
Horizontal Resolution	color :520 TVL B/W: 600 TVL
White Balance	Auto/ indoor(2500~6000°K)/
	outdoor(2500~10000°K)/Manual
Gain Control	on/off (0 to 36dB, High/Middle/Low,
	3 step selection)
Backlight Compensation	ON/OFF
Day/Night ICR	ICR (D/N LEVEL: High/Middle/Low)
(IR-Cut Filter Removable)	
De-Interlace	3D
Noise Reduction	3D
Auto IRIS	DC / Manual
Electronic Shutter &	AES on/off ,Manual 1/50~1/100K,
Manual Shutter	Flickerless 60Hz/50Hz
Video	CVBS 1Vpp
Digital Out	ITU-REC656 fromat

Video	
Video Compression	MJPEG and MPEG4 Dual codec,
	MJPEG & MPEG4 dual streaming,
	MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps
Resolution	PAL: 704x576, 352x288, 176x144 ;
	NTSC: 704x480, 352x240,176x120
Bitrate control	64kbps ~ 3Mbps
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation (PC side)	Mirror / up-side down

Audio	
2-way Audio	Yes (Full duplex)
Compression	G.726 (24K)

Protocol Supported	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/
	HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QOS, DHCP, NTP, SMTP,
	FTP, UPnP, PPPOE, DNS, DDNS

3GPP	
	Yes

Processors and Memory	
CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors	
Alarm I/O	Alarm-in x 1, Alarm-out x 1
PowerLED	Red LED
Reset to Factory default	button
LAN	RJ-45 connector (LED)
Video out	BNC
Serial Connectors	RS-485
Audio	Audio microphone in x 1,
	Audio Line-out x 1(3.5 mini Jack)

Features	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP, Vista

Software	
	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API	
	CGI commands to control camera
	Media SDK to handle streaming

Default Setting	
	Button

Power	
Power	DC12V, AC24V/DC12V, POE/DC12V (3 options)

Size	
Main body	140mm(L) x 65mm(W) x 55mm(D)

Operating environment	
Operating temperature	-10°C~ 50°C
Storage temperature	-20°C~ 70°C
Humidity	0% ~ 90% non-condensing

Approvals	
	CE, FCC/Class A, CCC, RoHS

Dimension Diagram

138.4mm

152.4mm

62.7mm
68.3mm

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Megapixel + Day & Night
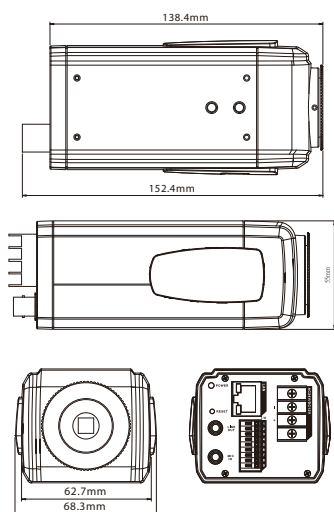
ALC-91   IP Box Camera

Megapixel, CM S, IC , Da ig

Feature

- Megapixel CMOS sensor.
- Progressive scan.
- Horizontal Resolution: Color :700 TVL; B/W: 800 TVL (SXGA)
- Dual codec(MJPEG/MPEG4) simultaneously.
- MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles.
- Auto IR-Cut Filter removal technologies.
- 2 way audio (external MIC x 1, audio line out x 1).
- 3GPP support

Dimension Diagram

138.4mm
152.4mm

62.7mm
68.3mm

Specifications

Camera	
Sensor	1/4" Megapixel CMOS sensor
Scan Method	Progressive
Lens	C-Mount/CS-Mount
Number of Effective Pixel (H*V)	1280(W) x 800(H)
Minimum Illumination	0.5 Lux@F1.0(COLOR) 0.05 Lux @F1.0(B/W) (2400°K 30 IRE) color module automatically switched to B/W mode under 4 Lux
Dynamic Range	69db
SNR(max)	39db
Horizontal Resolution	color :700 TVL B/W: 800 TVL (SXGA)
White Balance	Yes : indoor(2500~6000°K)/ outdoor(2500~10000°K); ATW/one push AWB/Manual(R-Y/B-Y Gain)
Gain Control	on/off (0 to 36dB, High/Middle/Low, 3 step selection)
Backlight Compensation	ON/OFF
Day/Night ICR (IR-Cut Filter Removable)	ON/OFF(Fix Color or B&W) ICR (D/N LEVEL : High/Middle/Low) Delay time : 0~15 Sec
Electronic Shutter & Manual Shutter	AES
Video	TV Monitor out : CVBS 1Vp-pout : CVBS 1Vp-p
Digital Out	ITU-REC656 fromat

Video	
Video Compression	MJPEG and MPEG4 Dual codec, MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps , Up to 15fps in JPEG WXGA mode
Resolution	MPEG4: 160x100, 320x200,640x400,XGA ; MJPEG: 160x100,320x200,640x400, WXGA
Bitrate control	64kbps ~ 3Mbps
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation (PC side)	Mirror / up-side down

Audio	
2-way Audio	Yes (Full duplex)
Compression	G.726 (24K)

Protocol Supported	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QOS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

3GPP	
	Yes

Processors and Memory	
CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors	
Alarm I/O	Alarm-in x 1, Alarm-out x 1
PowerLED	Red LED
Reset to Factory default	button
LAN	RJ-45 connector (LED)
Video out	BNC
Serial Connectors	RS-485
Audio	Audio microphone in x 1, Audio Line-out x 1(3.5 mini Jack)

Features	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP, Vista

Software	
	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API	
	CGI commands to control camera
	Media SDK to handle streaming

Default Setting	
	Button

Power	
Power	DC12V, AC24V/DC12V, POE/DC12V (3 options)

Size	
Main body	140mm(L) x 65mm(W) x 55mm(D)

Operating environment	
Operating temperature	-10°C~ 50°C
Storage temperature	-20°C~ 70°C
Humidity	0% ~ 90% non-condensing

Approvals	
	CE, FCC/Class A, CCC, RoHS

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ctual data t roug put may vary Network conditions and environmental factors including volume of network traffic building materials and construction and network over ead lower actual data t roug put rate   ctual performance may vary due to operation conditions linking reserved t e rig t to modify wit out notice

Day & Night + ICR

ALC-9154 IP Box Camera

VGA, CMOS, ICR, Day & Night

Feature

- 1/4" VGA CMOS sensor
- Progressive scan.
- Dual codec(MJPEG/MPEG4) simultaneously.
- MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles.
- Auto IR-Cut Filter removal technologies.
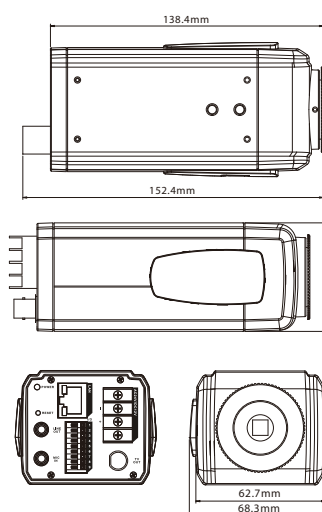- 2 way audio (external MIC x 1, audio line out x 1).
- 3GPP support.

Specifications

Camera	
Sensor	1/4" VGA CMOS sensor
Scan Method	Progressive
Lens	C-Mount/CS-Mount
Number of Effective Pixel (H*V)	640(W) x 480(H)
Minimum Illumination	4 Lux@F1.0(COLOR) 0.5 Lux
	@F1.0(B/W) (2400°K 30 IRE)
	color module automatically switched to B/W
	mode under 7 Lux
Dynamic Range	60db
SNR(max)	50db
Horizontal Resolution	400 TVL
White Balance	Yes : indoor(2500~6000°K)/
	outdoor(2500~10000°K);
	ATW/one push AWB/Manual(R-Y/B-Y Gain)
Gain Control	on/off (0 to 36dB, High/Middle/Low,
	3 step selection)
Backlight Compensation	ON/OFF
Day/Night ICR	ON/OFF(Fix Color or B&W)
(IR-Cut Filter Removable)	ICR (D/N LEVEL : High/Middle/Low)
	Delay time : 0~15 Sec
Electronic Shutter &	AES
Manual Shutter	
Video	TV Monitor out : CVBS 1Vp-p
Digital Out	ITU-REC656 fromat

Video	
Video Compression	MJPEG and MPEG4 Dual codec,
	MJPEG & MPEG4 dual streaming,
	MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps
Resolution	MPEG4: QQVGA, QVGA,VGA ;
	JPEG: QQVGA,QVGA,VGA
Bitrate control	64kbps ~ 3Mbps
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation (PC side)	Mirror / up-side down

Audio	
2-way Audio	Yes (Full duplex)
Compression	G.726 (24K)

Protocol Supported	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/
	HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QOS, DHCP, NTP, SMTP,
	FTP, UPnP, PPPOE, DNS, DDNS

3GPP	
	Yes

Processors and Memory	
CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors	
Alarm I/O	Alarm-in x 1, Alarm-out x 1
PowerLED	Red LED
Reset to Factory default	button
LAN	RJ-45 connector (LED)
Video out	BNC
Serial Connectors	RS-485
Audio	Audio microphone in x 1,
	Audio Line-out x 1(3.5 mini Jack)

Features	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP, Vista

Software	
	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API	
	CGI commands to control camera
	Media SDK to handle streaming

Default Setting	
	Button

Power	
Power	DC12V, AC24V/DC12V, POE/DC12V (3 options)

Size	
Main body	140mm(L) x 65mm(W) x 55mm(D)

Operating environment	
Operating temperature	-10°C~ 50°C
Storage temperature	-20°C~ 70°C
Humidity	0% ~ 90% non-condensing

Approvals	
	CE, FCC/Class A, CCC, RoHS

Dimension Diagram

138.4mm

152.4mm

62.7mm
68.3mm

CE FC RoHS Compliant

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3D De-Interlace

ALC-9   1 IP Spee   Dome Camera In oor
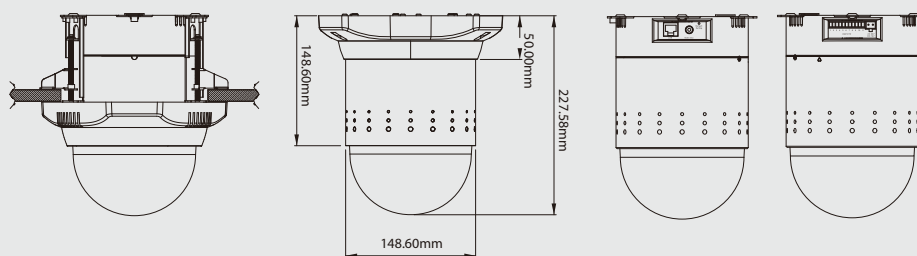### ALC-9   1 IP Spee   Dome Camera   oor

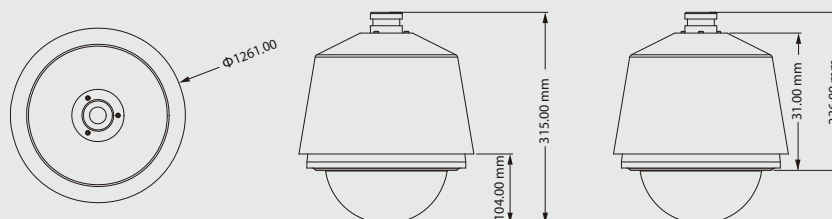**Son   x ie   AD CCD, x 1 2   p i al oom, Da   ig**

Feature

- 1/4"Sony ExView HAD CCD sensor.
- MJPEG / MPEG4 dual codec, MJPEG&MPEG4 dual streaming, MPEG4 dual streaming, multiple profiles.
- Variable Pan speed 0~400°/s. and tilt speed 0~200°/s.
- Built-in x 18(480CP)/26(980SP) zoom lens with auto focus.
- Motion adaptive 3D De-interlacing and Noise Reduction.
- 2- way audio.
- Day/Night Mode with Auto IR-Cut Filter removal technologies.
- Configured for motion detection and alarm I/O triggers with still image capture and e-mail video notice.
- Qualified to IP66 international weatherproof standard (Outdoor Model:ALC-9551).
- Powerful open API/SDK for system integrators to easily develop niche applications.

Dimension Diagram

ALC-9451 (indoor)

ALC-9551(Outdoor)

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ALC-9451/9551 IP Speed Dome Camera

Specifications

Model	ALC-9451/9551 480CP	ALC-9451/9551 980SP
Image Sensor	1/4" Sony Exview HAD CCD	1/4" Sony Super HAD CCD
Effective Pixels	752 (H) X 582 (V), 440K	740K
Lens	F1.4-3.0 (f=4.1-73.8mm)	F1.6-3.8 (f=3.5-91mm)
Optical Zoom	18x Optical	26X Optical
Digital Zoom	12x Digital	12X Digital
Angle of View (H)	48°(wide end) to 2.8°(tele end)	42.2° (WIDE end)-1.6° (TELE end)
Minimum working distance	290mm (WIDE end), 800mm(TELE end)	320mm (WIDE end), 1500mm(TELE end)
Minimum Illumination	0.7 lux, (F1.4, 1/50s)	2.0Lux, (F1.6, 1/50s)
S/N Ratio	> 50dB	> 50dB
Gain	Auto/Manual (-3-28dB, 2dB Steps)	Auto/Manual (-3-28dB, 16 Steps)
Electronic Shutter	1/1-1/10000s, 22 Steps	1/3-1/10000s, 20 Steps
White Balance	Auto, ATW, Indoor, Outdoor, One Push, Manual	Auto, ATW, Indoor, Outdoor, One Push, Manual
Privacy Zone Masking	ON/OFF	ON/OFF
ICR(IR Cut- Filter)	ON/OFF	ON/OFF
De-Interlace	3D	3D
Noise Reduction	3D	3D

Panning/Tilting

Panning Range	360° endless
Panning / Tilt Speed	Manual: Approx. 0.1°/s ~ 200°/s, preset: up to approx. 400°/s
Tilting Range	0° ~ 90° (upward - level - downward)
Number of The Preset Positions	64
Touring	Support 16 camera touring
PTZ control	Preset, Auto pan, Tour

Video

Video Compression	MJPEG and MPEG4 Dual codec, MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps in NTSC, 25fps in PAL
Resolution	MPEG4: D1, CIF, QCIF
Bitrate control	MPEG4: 64kbps ~ 3Mbps (CBR)
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation	Mirror / up-side down / Flip

Audio

2-way audio	Yes
Compression	G.726 (24K)

Protocol Supported

Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

Processors and Memory

CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors

Alarm I/O	Alarm-in x 2, Alarm-out x 1
Analog video output	RCA
Reset to Factory default	N/A
LAN	RJ-45 connector
RS-485	1
Audio	MIC Line-in x 1, Audio Line-out x 1

Software

Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP , Vista

Features

	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API

	CGI commands to control camera
	Media SDK to handle streaming

Factory Default

	(ALC-9451)	(ALC-9551)
	Button	N/A

Power

	(ALC-9451)	(ALC-9551)
Power	24V AC / 12V DC	24V AC
Power consumption	≦13.5W	≦15.5W

Size

	(ALC-9451)	(ALC-9551)
Main body	Φ149 x 230 mm	Φ260 x 350 mm

Operating environment

Operating temperature	-10°C ~ 50°C
Storage temperature	-20°C ~ 70°C
Humidity	10% ~ 90% non-condensing

Approvals

	CE, FCC/Class A, Rohs, IP66 (ALC-9551)

Actual data throughput may vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Actual performance may vary due to operation conditions. Alinking reserved the right to modify without notice.

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WDR+3D De-Interlace

ALC-945   IP Speed Dome Camera   I door
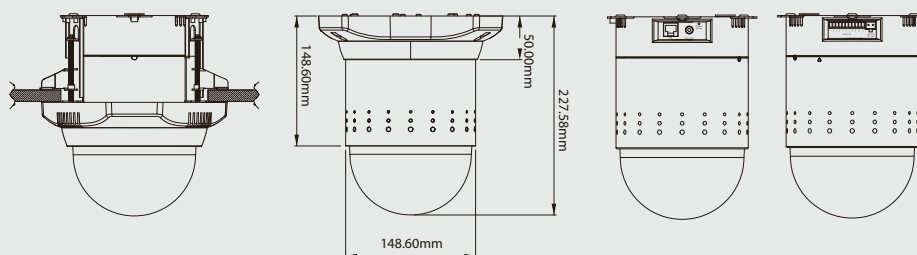ALC-955   IP Speed Dome Camera   door

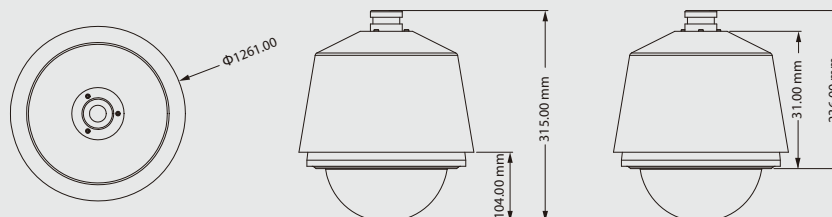So   e   AD CCD   1 / /   p   a   oom Da   D

Feature

- 1/4"Sony ExView HAD CCD sensor.
- MJPEG / MPEG4 dual codec, MJPEG&MPEG4 dual streaming, MPEG4 dual streaming, multiple profiles.
- Variable Pan speed 0~400°/s. and tilt speed 0~200°/s.
- Built-in x 18(490DP)/26(990DP)/36(1010P) zoom lens with auto focus.
- Motion adaptive 3D De-interlacing and Noise Reduction.
- WDR (Wide Dynamic Range) technologies.
- Day/Night Mode with Auto IR-Cut Filter removal technologies.
- Qualified to IP66 international weatherproof standard (Outdoor Model:ALC-9552).
- Configured for motion detection and alarm I/O triggers with still image capture and e-mail video notice.
- Powerful open API/SDK for system integrators to easily develop niche applications.

Dimension Diagram

ALC-9452 (indoor)

ALC-9552(Outdoor)

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ALC-945 /955   IP Speed Dome Camera

Specifications

Model	ALC-9452 / 9552-490DP	ALC-9452 / 9552-990DP	ALC-9452 / 9552-1010P
Image Sensor	1/4" Sony Exview HAD CCD	1/4" Sony Exview HAD CCD	1/4" Sony Exview HAD CCD
Effective Pixels	752 (H) X 582 (V), 440K	752 (H) X 582 (V), 440K	752 (H) X 582 (V), 440K
Lens	F1.4-3.0 (f=4.1-73.8mm)	F1.6-3.8 (f=3.5-91mm)	F1.6-4.5 (f=3.4-122.4mm)
Optical Zoom	18x Optical	26x Optical	36x Optical
Digital Zoom	12x Digital	12x Digital	12x Digital
Angle of View (H)	48°(wide end) to 2.8°(tele end)	54.2°(wide end) to 2.2°(tele end)	57.8°(wide end) to 1.7°(tele end)
Minimum working distance	290mm (WIDE end), 800mm(TELE end)	320mm (WIDE end), 1500mm(TELE end)	320mm (WIDE end), 1500mm(TELE end)
Minimum Illumination	0.7 lux, (F1.4, 1/50s)	1.0Lux, (F1.6, 1/50s)	1.4Lux, (F1.6, 1/50s)
S/N Ratio	> 50dB	> 50dB	> 50dB
Gain	Auto/Manual (-3-28dB, 2dB Steps)	Auto/Manual (-3-28dB, 2dB Steps)	Auto/Manual (-3-28dB, 2dB Steps)
Electronic Shutter	1/1-1/10000s, 22 Steps	1/1-1/10000s, 22 Steps	1/1-1/10000s, 22 Steps
White Balance	Auto, ATW, Indoor, Outdoor, One Push, Manual	Auto, ATW, Indoor, Outdoor, One Push, Manual	Auto, ATW, Indoor, Outdoor, One Push, Manual
Privacy Zone Masking	ON/OFF	ON/OFF	ON/OFF
ICR(IR Cut- Filter)	ON/OFF	ON/OFF	ON/OFF
De-Interlace	3D	3D	3D
Noise Reduction	3D	3D	3D

Panning/Tilting

Panning Range	360° endless
Panning / Tilt Speed	Manual: Approx. 0.1°/s ~ 200°/s, preset: up to approx. 400°/s
Tilting Range	0° ~ 90° (upward - level - downward)
Number of The Preset Positions	64
Touring	Support 16 camera touring
PTZ control	Preset, Auto pan, Tour

Video

Video Compression	MJPEG and MPEG4 Dual codec, MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps in NTSC, 25fps in PAL
Resolution	MPEG4: D1, CIF, QCIF
Bitrate control	MPEG4: 64kbps ~ 3Mbps (CBR)
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation	Mirror / up-side down / Flip

Audio

2-way audio	Yes
Compression	G.726 (24K)

Protocol Supported

Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

Processors and Memory

CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors

Alarm I/O	Alarm-in x 2, Alarm-out x 1
Analog video output	RCA
LAN	RJ-45 connector
RS-485	1
Audio	MIC Line-in x 1, Audio Line-out x 1

Software

Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP , Vista

Features

	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API

	CGI commands to control camera
	Media SDK to handle streaming

Factory Default

	(ALC-9452)	(ALC-9552)
	Button	N/A

Power

	(ALC-9452)	(ALC-9552)
Power	24V AC / 12V DC	24V AC
Power consumption	≦15.5W	≦21W

Size

	(ALC-9452)	(ALC-9552)
Main body	Φ149 x 230 mm	Φ260 x 350 mm

Operating environment

Operating temperature	-10℃ ~ 50℃
Storage temperature	-20℃ ~ 70℃
Humidity	10% ~ 90% non-condensing

Approvals

	CE, FCC/Class A, Rohs, IP66 (ALC-9552)

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Day & Night + 3D De-interlace

ALC-945   IP Speed Dome Camera ndoor
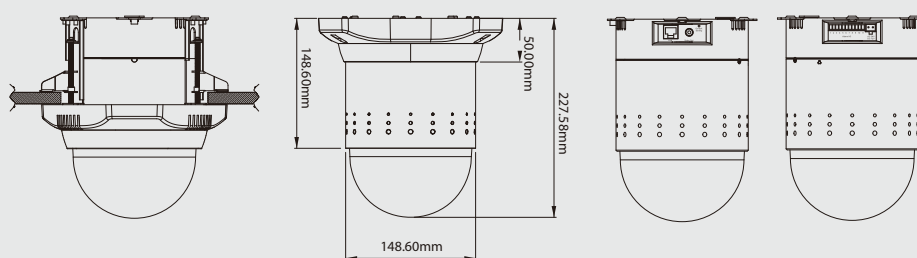**ALC-955   IP Speed Dome Camera   door**
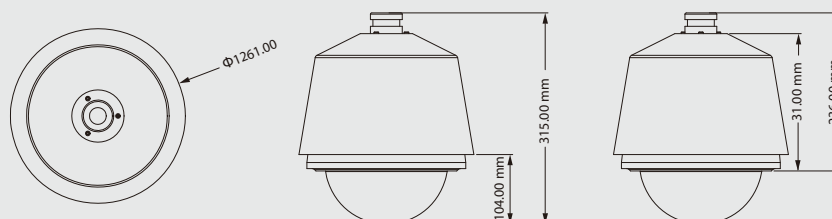
So   CCD   /   p   a   oom Da

Feature

- 1/4"Sony CCD sensor.
- Dual codec(MJPEG/MPEG4) simultaneously.
- MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles.
- WDR (Wide Dynamic Range) technologies.(330P Model only)
- Variable Pan speed 0~400°/s. and tilt speed 0~200°/s.
- Built-in x 23(231P)/30 (300P) zoom lens with auto focus.
- Motion adaptive 3-D De-interlacing and Noise Reduction.
- Day/Night Mode with Auto-IR Cut Filter removal technologies.
- Qualified to IP66 international weatherproof standard (Outdoor Model:ALC-9553).

Dimension Diagram

ALC-9453 (indoor)

148.60mm

50.00mm

227.58mm

148.60mm

ALC-9553(Outdoor)

Φ1261.00

315.00 mm

104.00 mm

31.00 mm

236.00 mm

ALC-945 /955   IP Speed Dome Camera

Specifications			
Model	**ALC-9453 / 9553-231P**	**ALC-9453 / 9553-300P**	**ALC-9453 / 9553-330P (WDR)**
Image Sensor	1/4" Sony Interline Transfer CCD	1/4" Sony Interline Transfer CCD	1/4" Sony Vertical double density interline CCD
Effective Pixels	752 (H) X 582 (V), 440K	752 (H) X 582 (V), 440K	752 (H) X 582 (V), 440K
Lens	F1.6-3.0 (f=3.384-88.4mm)	F1.6-3.4 (f=3.3-99.0mm)	F1.6-3.2 (f=3.3-99.0mm)
Optical Zoom	23x Optical	30x Optical	30x Optical
Digital Zoom	10x Digital	10x Digital	10x Digital
Angle of View (H)	52.5°(wide end) to 2.36°(tele end)	58.0°(wide end) to 2.22°(tele end)	58.0°(wide end) to 2.22°(tele end)
Minimum working distance	1000mm	1000mm	1000mm
Minimum Illumination	0.6Lux/F1.6(50 IRE)	0.6Lux/F1.6(50 IRE)	0.4Lux/F1.6(50 IRE)
S/N Ratio	50dB	50dB	50dB
Gain	Low / Middle / High / Off Selectable	Low / Middle / High / Off Selectable	Low / Middle / High / Off Selectable
Electronic Shutter	X128~1/60sec~/120,000sec	X128~1/60sec~/120,000sec	X128~1/60sec~/120,000sec
White Balance	ATW[Indoor(3,000K~6,500K), Outdoor(1,800K~10,500K)] / AWC / Manual	ATW[Indoor(3,000K~6,500K), Outdoor(1,800K~10,500K)] / AWC / Manual	ATW[Indoor(3,000K~6,500K), Outdoor(1,800K~10,500K)] / AWC / Manual
Privacy Zone Masking	ON/OFF	ON/OFF	ON/OFF
ICR(IR Cut- Filter)	ON/OFF	ON/OFF	ON/OFF
De-Interlace	3D	3D	3D
Noise Reduction	3D	3D	3D

Panning/Tilting	
Panning Range	360° endless
Panning / Tilt Speed	Manual: Approx. 0.1°/s ~ 200°/s, preset: up to approx. 400°/s
Tilting Range	0° ~ 90° (upward - level - downward)
Number of The Preset Positions	64
Touring	Support 16 camera touring
PTZ control	Preset, Auto pan, Tour

Video	
Video Compression	MJPEG and MPEG4 Dual codec, MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps in NTSC, 25fps in PAL
Resolution	MPEG4: D1, CIF, QCIF
Bitrate control	MPEG4: 64kbps ~ 3Mbps (CBR)
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation	Mirror / up-side down / Flip

Audio	
2-way audio	Yes
Compression	G.726 (24K)

Protocol Supported	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

Processors and Memory	
CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors	
Alarm I/O	Alarm-in x 2, Alarm-out x 1
Analog video output	RCA
LAN	RJ-45 connector
RS-485	1
Audio	MIC Line-in x 1, Audio Line-out x 1

Software		
Browser	Internet Explorer 6.0 or above	
Application Software	VMS application software	
OS supported	Microsoft Windows 2000, XP , Vista	
Features		
	User Setting	
	Date/ Time Setting	
	Video image control	
	Upload configuration	
	Dynamic DNS	
	Motion Detection	
	Events	
	Triggered Actions	
Open API		
	CGI commands to control camera	
	Media SDK to handle streaming	
Factory Default	(ALC-9453)	(ALC-9553)
	Button	N/A
Power	(ALC-9453)	(ALC-9553)
Power	24V AC / 12V DC	24V AC
Power consumption	≦15.5W	≦21W
Size	(ALC-9453)	(ALC-9553)
Main body	Φ149 x 230 mm	Φ260 x 350 mm
Operating environment		
Operating temperature	-10℃ ~ 50℃	
Storage temperature	-20℃ ~ 70℃	
Humidity	10% ~ 90% non-condensing	
Approvals		
	CE, FCC/Class A, Rohs, IP66 (ALC-9553)	

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3-Axis+Vari-Focal+3D De-interlace

ALC-9 51/9 5 IP   ed Dome Camera

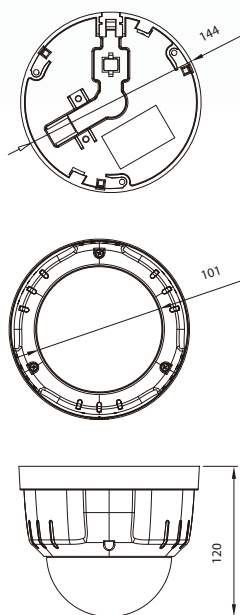So   CCD e   or   P   a d P   4   a   a Pa /   5   L e

Feature

- 1/3" High-Sensitivity Super HAD sensor.
- MJPEG / MPEG4 dual codec, MJPEG&MPEG4 dual streaming, MPEG4 dual streaming, multiple profiles.
- Manual Pan/Tilt, pan coverage 350° and tilt coverage 140°.
- Power over Ethernet (IEEE 802.3.af) or 24 VAC power input.
- Vari-focal lens gives the installed flexibility in various places(Model:ALC-9351)
- Motion adaptive 3D De-interlacing and noise reduction.
- Day/Night Mode with Auto IR-Cut Filter removal technologies (Model: ALC-9351).
- Camera and lens options for low light sensitivity, extreme lighting and high resolution.
  - Day/Night high resolution
  - Color high resolution
  - Digital ITU-REC656 output

Dimension Diagram

144

101

120

Specifications

Model	ALC-9351	ALC-9352
Camera		
Sensor	1/3" High-Sensitivity Super HAD sensor	1/3" High-Sensitivity Super HAD sensor
Scan Method	Interlace	Interlace
Lens	f = 3.7mm-12mm, F1.4, DC Iris, ICR(Vari-Focal)	4.3mm, F=2.8, Dummy Iris
Number of Effective Pixel (H*V)	PAL: 752(W) x 582(H), NTSC: 768 x 494	PAL: 752(W) x 582(H), NTSC: 768 x 494
Minimum Illumination	0.5 Lux (F1.4,AGC max,50IRE)	0.5 Lux (F1.4,AGC max,50IRE)
SNR(max)	>50dB	>50db
Horizontal Resolution	520 TV Lines	520 TV Lines
White Balance	Auto/Manual	Auto/Manual
Gain Control	ON/OFF	ON/OFF
Backlight Compensation	ON/OFF	ON/OFF
Day/Night ICR (IR-Cut Filter Removable)	Yes	N/A
De-Interlace	3D	3D
Noise Reduction	3D	3D
Digital Out	ITU-REC656 fromat	ITU-REC656 fromat

Pan and Tilt (Manual)	
Pan Coverage	350˚
Tilt Coverage	140˚
Rotation Coverage	350˚

Video	
Video Compression	MJPEG and MPEG4 Dual codec, MJPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps
Resolution	PAL: 704x576, 352x288, 176x144 ; NTSC: 704x480, 352x240,176x120
Bitrate control	64kbps ~ 3Mbps
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation	Mirror

Audio	
2-way audio	Yes
Compression	G.726 (24K)

Protocol Supported	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

Processors and Memory	
CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors	
Alarm I/O	Alarm-in x 2, Alarm-out x 1
LED	Alert LED, Link LED
Reset to Factory default	button
LAN	RJ-45 connector
Seial Connectors	RS-485
Audio	MIC Line-in x 1, Audio Line-out x 1

Software	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP , Vista

Features	
	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API	
	CGI commands to control camera
	Media SDK to handle streaming

Factory Default	
	Button

Power	
Power	DC12V, AC24V/DC12V, PoE/AC24V/DC12V
Power consumption	8W

Size	
Main body	144mm（W）×120mm（H）×144mm（D）

Operating environment	
Operating temperature	-10℃~ +50℃
Storage temperature	-20℃~ +70℃
Humidity	20% ~ 95% non-condensing

Approvals	
	CE, FCC/Class A, Rohs

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Infrared Illuminator+3D De-Interlace

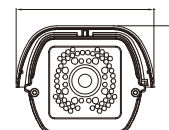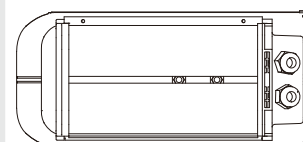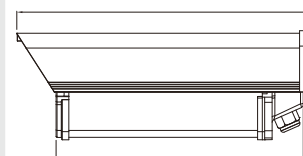# ALC-9 5 I IP Camera

e o o CCD   P a d P 4 I L D 5   L e

Feature

- 1/3" Sharp High Resolution CCD Sensor.
- MJPEG / MPEG4 dual codec, MJPEG&MPEG4 dual streaming, MPEG4 dual streaming, multiple profiles.
- Minimum illumination of 0 Lux (IR ON) to provide clear and sharp images in any environment.
- Two-way audio.
- Vari-focal lens gives the installed flexibility in various places.
- Configured for motion detection and alarm I/O triggers with still image capture and e-mail video notice.
- Powerful open API/SDK for system integrators to easily develop niche application.

Specifications

Camera	
Sensor	1/3' SHARP High Resolution CCD
Scan Method	Interlace
Lens	6~15 mm Vari Focal Lens
Number of Effective Pixel (H*V)	PAL: 752(W) x 582(H), NTSC: 768 x 494
Minimum Illumination	0 Lux (IR ON)
SNR(max)	48dB
Horizontal Resolution	500 TV Lines
White Balance	Auto
Gain Control	Auto
IR	40m
De-Interlace	3D
Noise Reduction	3D

Video	
Video Compression	MJPEG and MPEG4 Dual codec, M-JPEG & MPEG4 dual streaming, MPEG4 dual streaming ,multiple profiles
Video framerate	Up to 30 fps
Resolution	PAL: 704x576, 352x288, 176x144 ; NTSC: 704x480, 352x240,176x120
Bitrate control	64kbps ~ 3Mbps
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4
Image Rotation (PC side)	Mirror / up-side down

Audio	
2-way audio	Yes
Compression	G.726 (24K)

Protocol Supported	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP tunneling, LAN multicast
Other protocols	IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

Processors and Memory	
CPU	ARM9 SOC
Flash and Memory	8MB NOR flash, 64MB SDRAM

I/O and connectors	
Alarm I/O	Alarm-in x 2, Alarm-out x 1
Reset to Factory default	Button
LAN	RJ-45 connector
Audio	Audio Line-in x 1, Audio Line-out x 1
RS-485	1

Software	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP , Vista

Features	
	User Setting
	Date/ Time Setting
	Video image control
	Upload configuration
	Dynamic DNS
	Motion Detection
	Events
	Triggered Actions

Open API	
	CGI commands to control camera
	Media SDK to handle streaming

Factory Default	
	Button

Power	
Power	DC12V
Power consumption	

Size	
Main body	300 mm ×150 mm（W）× 120 mm（H）

Operating environment	
Operating temperature	-10°C~ +50°C
Storage temperature	-20°C~ +70°C
Humidity	20% ~ 95% non-condensing

Approvals	
	CE, FCC/Class A, Rohs, IP54

Dimension Diagram

LINKING
IP Surveillance Expert

Megapixel+IR

ALC-9 5 /9 5   ome e   or Camera

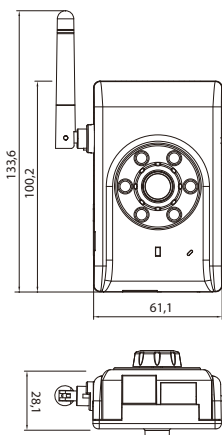1   e ap e C   S e   or Pro re   e   P   a d P   4
PP I   L D

Feature

- 1.3 Megapixel progressive scan providing high definition video.
- MJPEG / MPEG4 dual codec, MJPEG&MPEG4 dual streaming, MPEG4 dual streaming, multiple profiles, 3GPP Streaming.
- Comprises 6 IR LEDs for low light environment.
- 2-way audio.
- Advanced Video Motion Detection with various notifications.
- Scheduled and triggered event functionality with preset actions and alarm notification via e-mail, TCP, HTTP and upload of images via e-mail, FTP and HTTP.
- Wireless model provides flexible installation for optimal choice.(Model:ALC-9852W)

Dimension Diagram

133,6
100,2
61,1
28,1

Specifications			
Camera		**I/O and connectors**	
Sensor	1/4" 1.3 Megapixel CMOS sensor	Alarm I/O	Alarm-in x 2, Alarm-out x 1
Scan Method	Progressive	LED	Alert LED, Link LED
Lens	4.3mm, F=2.8, Fixed Iris	Reset to Factory default	button
Number of Effective Pixel (H*V)	1280(W) x 1024(H)	LAN	RJ-45 connector
Minimum Illumination	5 Lux @F2.8	Audio	Internal mic x 1, Audio Line-in x 1,
Dynamic Range	68dB		Audio Line-out x 1
SNR(max)	44dB		
Auto Exposure	Yes	**Software**	
Auto White Balance	Yes		
Auto Gain Control	Yes	Browser	Internet Explorer 6.0 or above
Auto Flickerless	Yes	Application Software	VMS application software
IR	6m, LED x6	OS supported	Microsoft Windows 2000, XP , Vista
Video		**Features**	
Video Compression	MJPEG and MPEG4 Dual codec,		User Setting
	MJPEG & MPEG4 dual streaming,		Date/ Time Setting
	MPEG4 dual streaming ,multiple profiles,3GPP		Video image control
Video framerate	Up to 30 fps , Up to 15fps in MJPEG		Upload configuration
	SXGA mode		Dynamic DNS
Resolution	MPEG4: QQVGA, QVGA,VGA,XGA		Motion Detection
	MJPEG: QQVGA,QVGA,VGA, SXGA		Events
Bitrate control	64kbps ~ 3Mbps		Triggered Actions
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4	**Open API**	
Image Rotation	Mirror / up-side down		CGI commands to control camera
Audio			Media SDK to handle streaming
2-way audio	Yes	**Factory Default**	
Compression	G.726 (24K)		Button
Protocol Supported		**Power**	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP	Power	DC 12V, 1A
	tunneling, LAN multicast	Power consumption	10W (800mA, 12V) maximum
Other protocols	IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP,	**Size**	
	FTP, UPnP, PPPOE, DNS, DDNS	Main body	100mm(L) x 61mm(W) x 33mm(D)
Processors and Memory		**Operating environment**	
CPU	ARM9 SOC	Operating temperature	0°C ~ 45°C
Flash and Memory	8MB NOR flash, 64MB SDRAM	Storage temperature	-20°C ~ 50°C
		Humidity	10% ~ 80% non-condensing
IR Distance		**Approvals**	
	5 meter		CE, FCC/Class B, Rohs

LINKING
IP Surveillance Expert

CE FC RoHS
Compliant

Megapixel + PT

ALC-9751/9751   ome e or Camera

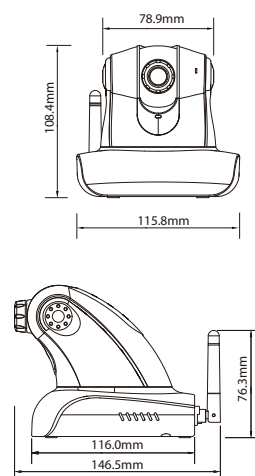1 e ap e C S e or Pro re e P a d P 4
PP Pa /

Feature

- 1.3 Megapixel progressive scan providing high definition video.
- Wide range motorized camera function with precise pan and tilt control.
- MJPEG / MPEG4 dual codec, MJPEG&MPEG4 dual streaming, MPEG4 dual streaming, multiple profiles, 3GPP Streaming.
- 2-way audio.
- Advanced Video Motion Detection with various notifications.
- Scheduled and triggered event functionality with preset actions and alarm notification via e-mail, TCP, HTTP and upload of images via e-mail, FTP and HTTP.
- Wireless model provides flexible installation for optimal choice.(Model:ALC-9751W)

Specifications

Camera		I/O and connectors	
Sensor	1/4" 1.3 Megapixel CMOS sensor	Alarm I/O	Alarm-in x 2, Alarm-out x 1
Scan Method	Progressive	LED	Alert LED, Link LED
Lens	4.3mm, F=2.8, Fixed Iris	Reset to Factory default	button
Number of Effective Pixel (H*V)	1280(W) x 1024(H)	LAN	RJ-45 connector
Minimum Illumination	5 Lux @F2.8	Audio	Internal mic x 1, Audio Line-in x 1,
Dynamic Range	68dB		Audio Line-out x 1
SNR(max)	44dB		
Auto Exposure	Yes	**Software**	
Auto White Balance	Yes	Browser	Internet Explorer 6.0 or above
Auto Gain Control	Yes	Application Software	VMS application software
Auto Flickerless	Yes	OS supported	Microsoft Windows 2000, XP , Vista
Pan and Tilt		**Features**	
Pan Coverage	-135˚~ +135˚, max 120˚/sec.		User Setting
Tilt Coverage	-45˚ ~ +90˚, max 120˚/sec.		Date/ Time Setting
Preset Numbers	16		Video image control
Video			Upload configuration
Video Compression	MJPEG and MPEG4 Dual codec,		Dynamic DNS
	MJPEG & MPEG4 dual streaming,		Motion Detection
	MPEG4 dual streaming ,multiple profiles,3GPP		Events
Video framerate	Up to 30 fps , Up to 15fps in MJPEG		Triggered Actions
	SXGA mode	**Open API**	
Resolution	MPEG4: QQVGA, QVGA,VGA,XGA		CGI commands to control camera
	MJPEG: QQVGA, QVGA,VGA, SXGA		Media SDK to handle streaming
Bitrate control	64kbps ~ 3Mbps	**Factory Default**	
Digital Zoom (PC side)	Yes, x 1/2, x 2, x 4		
Image Rotation	Mirror / up-side down		Button
Audio		**Power**	
2-way audio	Yes	Power	DC 12V, 1A
Compression	G.726 (24K)	Power consumption	10W (800mA, 12V) maximum
Protocol Supported		**Size**	
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP	Main body	128mm(L) x 116mm(W) x 108mm(H)
	tunneling, LAN multicast	**Operating environment**	
Other protocols	IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP,	Operating temperature	0℃ ~ 45℃
	FTP, UPnP, PPPOE, DNS, DDNS	Storage temperature	-20℃ ~ 50℃
Processors and Memory		Humidity	10% ~ 80% non-condensing
CPU	ARM9 SOC	**Approvals**	
Flash and Memory	8MB NOR flash, 64MB SDRAM		CE, FCC/Class B, Rohs

Dimension Diagram

78.9mm

108.4mm

115.8mm

76.3mm

116.0mm

146.5mm

CE FC RoHS Compliant

LINKING
IP Surveillance Expert

Triple Codec

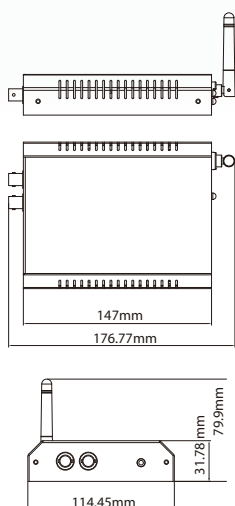### ALS- 111/ 111   deo Ser er

P / P 4 / PP   D1 e o   o

Feature

- MJPEG / MPEG4 dual codec, Selectable.
- RTSP video streaming support 3GPP.
- High resolution up to Full D1
- UPnP discover and NAT traversal.
- RS-485 PTZ control protocols (Pelco-P, Pelco-D)
- Advanced Video Motion Detection with various notifications.
- Powerful open API/SDK for system integrators to easily develop niche application.

Dimension Diagram

147mm

176.77mm

79.9mm

31.78mm

114.45mm

Specifications

Video	
Video compression	MPEG4 / JPEG (dual codec),H.263(for 3GPP)
Video frame rate	Up to 30fps for all video resolutions
Compression rate selection	5 levels: best, better, normal, faster, fastest
Frame rate setting	NTSC: 1,2,3,4,5,6,7,10,15,30 ;
	PAL: 1, 2,3,4,5,6,12,25 fps
Video resolution	NTSC: 176x112, 320x240, 640x480, 704x480
	PAL: 176x144, 352x240, 640x480, 704x576
Image rotation	Mirror / Up side down
Digital zoom	Yes, x 1/2, x1, x 2, x 4 times
Motion detection	Yes (3 windows)

Audio	
Internal Microphone	PCM 8k sampling, 16-bit stereo

Communication	
LAN port	RJ-45, 10/100M auto-sensed, auto crossover
Communication protocol	HTTP, RTSP, FTP, SMTP, TCP/IP, UDP, ARP, ICMP,
	DHCP, PPPoE, DDNS, UPnP, SAMBA,3GPP
Video Streaming	RTSP/RTP/UDP ,RTSP/RTP/TCP ,RTSP/RTP HTTP
	Tunnel ,LAN Multicast

System	
CPU	32bit RISC CPU
RAM	32MB
Flash ROM	4MB
OS	uCLinux

I/O	
Alarm Input	2
Alarm output	1
Analog video input	1 x BNC
Analog video output	1 x BNC (pass through)
Analog audio input	1 x 3.5mm Jack
Analog audio output	n/a
PTZ camera control	1x RS-485
Ethernet	1x RJ45

Software	
Browser	Internet Explorer 6.0 or above
Application Software	VMS application software
OS supported	Microsoft Windows 2000, XP

Software Features	
1. System	
	Name
	LED Control : ON/OFF/FLASH
2. TCP/IP	
	Static IP Address
	- IP Address
	- Subnet Mask
	- Default Gateway
	Dynamic IP Address
	- DHCP
	- PPPoE
	--User ID
	--User Password

	Primary DNS Address
	Secondary DNS Address
	Dynamic DNS
	UPnP
	IP filter
3. Users	Three levels /Administrator / Operator / Viewer
4. Date/ Time Setting	Date: Year/Month/Day
	Time: Hour/Minute/Second
	NTP Protocol , NTP Server Address , Time Zone
5. Video	5 levels: best, better, normal, faster, fastest
Compressing Rate	PAL: 4,6,8,12,25 ; NTSC: 4,6,7,10,15,30 fps
Frame Rate:	NTSC: 176x112, 320x240, 640x480, 704x480
Video Resolution	PAL: 176x144, 352x240, 640x480, 704x576
Brightness Control	Yes
Contrast Control	Yes
6. Upload configuration	FTP / SMTP / SAMBA
7. Dynamic DNS	Service / User Name / Password / Domain Name
8. Motion Detection	Motion Sensitivity is adjustable
	Motion mask is easily set
9. Events	Video loss / On Boot / Motion detection / Alarm-in
	Schedule (Always / Weekly during time / Never)
10. Triggered Actions	Send video e-mail
	Upload video file to ftp server
	Save video file to network share
	Send notification to TCP/HTTP server
	Control camera to preset location
	Turn on alarm output
11. P / T Control	Pan / Tilt driver can be uploaded and changed dynamically
	Supports pelco and A-Linking protocols
12. Open API	CGI commands to control camera
	Media SDK to handle streaming
13. Other	Reset to factory default setting

Power	
Power	DC 12V, 1.5A, switching type power supply
Power consumption	10W, maximum

LED	
Link LED	Green color
Alert LED	Green color

Size	
Main body	176mm(L) x 114mm(W) x 32mm(H)

Operating environment	
Operating temperature	5℃ ~ 40℃
Storage temperature	-20℃ ~ 50℃
Humidity	10% ~ 80% non-condensing

Approvals	
	FCC / CE class B /RoH

LINKING
IP Surveillance Expert

CE FC RoHS Compliant

H.264

ALS- 4   deo Ser er

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Feature

- H.264/ MJPEG dual codec simultaneously.
- RTSP video streaming support 3GPP.
- High resolution up to Full D1.
- 2-way audio.
- UPnP discover and NAT traversal.
- RS-485 PTZ control protocols (Pelco-P, Pelco-D)
- Advanced Video Motion Detection with various notifications.
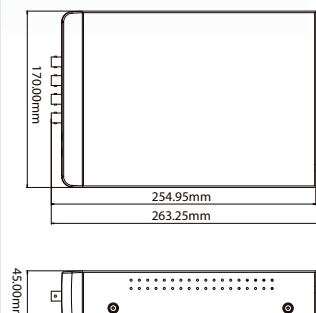- Powerful open API/SDK for system integrators to easily develop niche application.
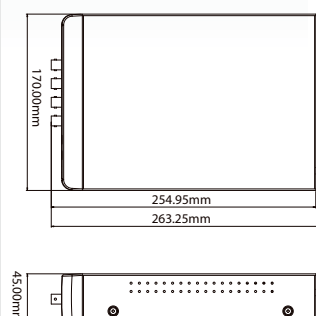
Specifications

Video compression		Other I/O	
compression	H.264, MJPEG, 3GPP	Reset button	1x Button to reset to factory default
Resolution	FFull D1 (704x480/NTSC, 704x576/PAL)	LED	1x Power LED
	2CIF (704x240/NTSC, 704x288/PAL),		4x Video in LED
	VGA	**Network**	
	CIF (352x240/NTSC, 352x288/PAL)	Ethernet	1x RJ-45 Ethernet connector with LED
	QCIF (176x120/NTSC, 176x144/PAL)	Protocol	IP, TCP, UDP, ICMP, IGMP, ARP,DHCP,
Frame rate	30fps @ D1 resolution in NTSC		DNS, DDNS, NTP, RTP, RTSP, HTTP,
	25fps @ D1 resolution in PAL		SMTP, FTP, PPPOE
Bit rate control	Both CBR and VBR	**Software**	
Multi-streams	Maximum 3 video streams: 1x D1, 1x CIF,	Web browseTourr	Microsoft Internet Explorer 6.0 or above
	and 1x QCIF for recording, preview, and	VMS software	VMS channel software
	3GPP respectively	PTZ protocols	Pelco-P, Pelco-D
Video processing		Compatible platforms	STD, ZTE, HXHT, Alcatel
De-interlace	3D	**Power**	
Motion detection	3D	Power	12V DC
OSD		Power consumption	TBD
	Yes	**Operating environment**	
Video Input		Operating temperature	-10℃~ +50℃
composite input	4x CVBS, 1.0Vp-p 75 ohm BNC connector	Storage temperature	-20℃~ +70℃
Audio		Humidity	20% ~ 95% non-condensing
compression	G.726 @ 24kbps	**Open API**	
audio line input	4x line-in jack		CGI commands to control camera
audio line output	1x line-out jack, Full Duplex Audio		Media SDK to handle streaming
Microphone input	1x MIC in jack, Full Duplex Audio	**Physical**	
Alarm		dimensions	170 (W) x 255 (D) x 45 (H) mm
Input	4x TTL terminal block	weights	TBD
Output	4x TTL terminal block	**Regulation and certification**	
Camera control		Safety and EMI	CE, FCC, CCC, RoHs, WEEE
Serial port	1x RS-485, 1 x RS-232	**Accessories**	
Storage			Power adaptor
External	1x SD card		Wall mount bracket
			CD-ROM: e-manual and VMS SW
			Quick guide

Dimension Diagram

170.00mm
254.95mm
263.25mm

45.00mm

CE FC RoHS Compliant

LINKING
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H.264

ALS- 4   deo Ser er

4 a d   P / PP   D1 e o   o 4 C a e

Feature

- H.264/ MJPEG dual codec simultaneously.
- RTSP video streaming support 3GPP.
- High resolution up to Full D1.
- 2-way audio.
- UPnP discover and NAT traversal.
- Support 1 x e-SATA port and 1 x SD Card port.
- RS-485 PTZ control protocols (Pelco-P, Pelco-D)
- Advanced Video Motion Detection with various notifications.
- Powerful open API/SDK for system integrators to easily develop niche application.

Specifications

Video compression		Other I/O	
compression	H.264 BP, MJPEG, 3GPP	Reset button	1x Button to reset to factory default
Resolution	FFull D1 (704x480/NTSC, 704x576/PAL)	LED	1x Power LED
	2CIF (704x240/NTSC, 704x288/PAL),		4x Video in LED
	VGA	**Network**	
	CIF (352x240/NTSC, 352x288/PAL)	Ethernet	1x RJ-45 Ethernet connector with LED
	QCIF (176x120/NTSC, 176x144/PAL)	Protocol	IP, TCP, UDP, ICMP, IGMP, ARP,DHCP,
Frame rate	30fps @ D1 resolution in NTSC		DNS, DDNS, NTP, RTP, RTSP, HTTP,
	25fps @ D1 resolution in PAL		SMTP, FTP, PPPOE
Bit rate control	Both CBR and VBR	**Software**	
Multi-streams	Maximum 3 video streams: 1x D1, 1x CIF,	Web browseTourr	Microsoft Internet Explorer 6.0 or above
	and 1x QCIF for recording, preview, and	VMS software	VMS channel software
	3GPP respectively	PTZ protocols	Pelco-P, Pelco-D
Video processing		Compatible platforms	STD, ZTE, HXHT, Alcatel
De-interlace	3D	**Power**	
Motion detection	3D	Power	12V DC
OSD		Power consumption	TBD
	Yes	**Operating environment**	
Video Input		Operating temperature	-10°C~ +50°C
composite input	4x CVBS, 1.0Vp-p 75 ohm BNC connector	Storage temperature	-20°C~ +70°C
Audio		Humidity	20% ~ 95% non-condensing
compression	G.726 @ 24kbps	**Open API**	
audio line input	4x line-in jack		CGI commands to control camera
audio line output	1x line-out jack, Full Duplex Audio		Media SDK to handle streaming
Microphone input	1x MIC in jack, Full Duplex Audio	**Physical**	
Alarm		dimensions	170 (W) x 255 (D) x 45 (H) mm
Input	4x TTL terminal block	weights	TBD
Output	4x TTL terminal block	**Regulation and certification**	
Camera control		Safety and EMI	CE, FCC, CCC, RoHs, WEEE
Serial port	1x RS-485, 1 x RS-232	**Accessories**	
Storage			Power adaptor
External	1x SD card		Wall mount bracket
	1x e-SATA port for one external hard disk		CD-ROM: e-manual and VMS SW
			Quick guide

Dimension Diagram

170.00mm
254.95mm
263.25mm
45.00mm

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Multiple Display

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p e   o   or a   o   e Compa   e   o

Feature

- Support Megapixel camera, IP cameras
- Multiple Monitor Display
- Digital PTZ
- Support E-Map function
- Video recording & Snapshot
- Support full screen display
- Compatible with joystick
- Friendly graphic user interface
- Page sequence view
- Audio broadcast
- 2-way audio

Specifications	
Display	Multiple monitors display, supports more than 2 monitors with live view Display of maximum 144 channels of video Display of storage space used. Display of System/CPU status Rotate Sequence Tour Full screen display of selected channel Additional Direct 3D OSD Support 1/4/6/9/13/16/36/64 divided windows with full screen.
PTZ Control	PTZ Preset points Support RS485 Joystick Digital PTZ
Detection	General motion Signal lost Digital signal input System alarm at Disk space
Recording	Audio & Video recording simultaneously Multiple Storge Path choose Support MPEG4, MJPEG & H.264 video format
Schedule	By time (daily, weekly, annually)
Recording Mode	Continuous record, Record by event, record by motion, record by schedule and manual record, Auto cycle
Playback	Recorded file searched by event, cameras, date, time. Support Media Player and VSC playback
Remote Monitor	Remote Live View. Support Local record. Snapshot. Control of PTZ function. Support up to 16 divided windows. Notification of event trigger. File playback.
Audio Support	G.711/G.722/G.726, 2-way Audio Broadcasting

inimum ystem e uirements					
Channel (Video Setting: VGA/30fps/1M Bitrate)	1 ~ 9 Ch	9 Ch ~ 16 Ch	16 Ch ~ 24 Ch	24 Ch ~ 40 Ch	40Ch ~ 144Ch
Channel (Video Setting: VGA/20fps/512K Bitrate)	1 ~ 12 Ch	12Ch ~ 20 Ch	20 Ch ~ 32 Ch	32 Ch ~ 60 Ch	60 Ch ~ 144 Ch
CPU — Level	Atom Core Dual	Intel Pentium Processor	Intel Core 2 Dual	Intel Core 2 Quad	Intel Core I 7
CPU — Refer	Intel Atom 330 1.6G	Intel E5200 2.5G	Intel E7200 2.53G	Intel Quad Q9550 2.83G	Intel I7-920 2.66G
DRAM	1G	2G	2G	2G	3G
VGA / Graphic Card	On Board / Intel 945GC	128MB Video Ram	256MB Video Ram	256MB Video Ram	512MB Video Ram
Network Interface Card	10/100 Ethernet		10/100/1000 Ethernet		
OS Support	Windows XP ,Vista, 7 / Server 2003,2008				
LCD Display	XVGA (1024 x 768)				

Best Selling Products before 2008

MJPEG Series

AL9603
Pa / IP Camera CCD

> Color 1/3" CCD Sensor
> Horizonal rotation range 0°~325°
> Vertical rotation range 0°~90°
> Auto camera tour and 16 preset points
> Support static or dynamic IP

AL9643
I IP Camera

> 1/3" Sony CCD Sensor
> Support static or dynamic IP
> No focus shift under IR
> Remote surveillance via IE
> Weather-proof IP66 outdoor construction
> 12 x High-light & long life LED up to 20,000 hours

AL9663
5 I IP Camera

> 1/3" Sharp CCD Sensor
> Support static or dynamic IP
> No focus shift under IR
> Remote surveillance via IE
> Weather-proof IP66 outdoor construction
> 8 x High-light & long life LED up to 20,000 hours

MPEG4 Series

AL9684/AL9685 (WLAN)
C S I IP Camera

> Color 1/4" CMOS sensor
> MPEG4 compression up to VGA resolution
> Built-in IR LED for day/night environment
> Remote surveillance via IE
> Access setting for user privilege protection
> Video motion detection and email video notice

MJPEG/MPEG4 Dual Codec + 3GPP

UNC-9711/9711W
P IP Camera

> Color 1/3" CCD Sensor
> MPEG4/MJPEG dual codec selectable
> Pan/ Tilt fuction for broaden view
> UPnP discovery and NAT traversal
> 3GPP streaming support
> Open API/SDK for easily system integration

UNC-9611
I IP Camera

> 1/3" Sony CCD, 0 Lux when IR on
> MPEG4 / MJPEG dual codec
> 12 high-light & long life LED up to 20,000 hours
> Weather-proof IP66 outdoor construction
> Remote surveillance via IE
> Motion detection with video notice
> Support static or dynamic IP
> RTSP video streaming support 3GPP (H.263)

UNC-9612
5 I IP Camera

> 1/3" Sharp CCD, 0.2 Lux, 0 Lux when IR on
> MPEG4 / MJPEG dual codec
> 8 high-light & long life LED up to 20,000 hours
> Weather-proof IP66 outdoor construction
> Remote surveillance via IE
> Motion detection with video notice
> Support static or dynamic IP
> RTSP video streaming support 3GPP (H.263)

UNC-9211/9211W
P IP Dome Camera

> Color 1/3" CCD sensor
> Pan range 0°~ 325°, Tilt range 0°~ 90°
> 5 camera tours and 16 preset numbers
> Remote surveillance via IE
> Motion detection with video notice
> Support static or dynamic IP
> MPEG4 / MJPEG dual codec
> RTSP video streaming support 3GPP (H.263)

UVS-7111/7111W
P / P 4 deo Ser er

> UPnP discovery and NAT traversal
> RS-485 PTZ control protocols (Pelco-P, Pelco-D)
> High resolution up to full D1
> Remote surveillance via IE
> Motion detection with video notice
> Support static or dynamic IP
> MPEG4 / MJPEG dual codec selectable
> RTSP video streaming support 3GPP (H.263)

LINKING

www.alinking.com